

**NAME**

ldns\_duration\_type, ldns\_duration\_create, ldns\_duration\_create\_from\_string, ldns\_duration\_cleanup, ldns\_duration\_compare, ldns\_duration2string, ldns\_duration2time - duration type and related functions

**SYNOPSIS**

```
#include <stdint.h>
```

```
#include <stdbool.h>
```

```
#include <ldns/ldns.h>
```

```
ldns_duration_type* ldns_duration_create(void);
```

```
ldns_duration_type* ldns_duration_create_from_string(const char* str);
```

```
void ldns_duration_cleanup(ldns_duration_type* duration);
```

```
int ldns_duration_compare(const ldns_duration_type* d1, const ldns_duration_type* d2);
```

```
char* ldns_duration2string(const ldns_duration_type* duration);
```

```
time_t ldns_duration2time(const ldns_duration_type* duration);
```

**DESCRIPTION**

*ldns\_duration\_type*

Duration.

```
struct ldns_duration_struct
```

```
{
```

```
    time_t years;
```

```
    time_t months;
```

```
    time_t weeks;
```

```
    time_t days;
```

```
    time_t hours;
```

```
    time_t minutes;
```

```
    time_t seconds;
```

```
};
```

```
typedef struct ldns_duration_struct ldns_duration_type;
```

*ldns\_duration\_create()* Create a new 'instant' duration.

Returns *ldns\_duration\_type\** created duration

*ldns\_duration\_create\_from\_string()* Create a duration from string.

**str**: string-format duration

Returns *ldns\_duration\_type\** created duration

*ldns\_duration\_cleanup()* Clean up duration.

**duration**: duration to be cleaned up

*ldns\_duration\_compare()* Compare durations.

**d1**: one duration

**d2**: another duration

Returns int 0 if equal, -1 if d1 < d2, 1 if d2 < d1

*ldns\_duration2string()* Convert a duration to a string.

**duration**: duration to be converted

Returns *char\** string-format duration

*ldns\_duration2time()* Convert a duration to a time.

**duration**: duration to be converted

Returns *time\_t* time-format duration

## AUTHOR

The ldns team at NLnet Labs.

## REPORTING BUGS

Please report bugs to [dns-team@nlnetlabs.nl](mailto:dns-team@nlnetlabs.nl) or on GitHub at <https://github.com/NLnetLabs/ldns/issues>

## COPYRIGHT

Copyright (c) 2004 - 2006 NLnet Labs.

Licensed under the BSD License. There is NO warranty; not even for MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.

**SEE ALSO**

**perldoc Net::DNS, RFC1034, RFC1035, RFC4033, RFC4034 and RFC4035.**

**REMARKS**

This manpage was automatically generated from the ldns source code.